Distribution of Methods Modules for the Sommer Semester 2025

Last updated: 24th February 2025

Please read the instructions carefully:

- Only students from the **M.Sc. Biochemistry** and **B.Sc. Biochemistry**, as well as **exchange students** are entitled to participate.
- **You are entitled to one methods module per semester**. If there are still spots left after the first round of the Tombola, you may apply for more methods modules in a second round.
- Participation in some modules requires the **prior attendance of lectures or other courses**. These courses are also specified in the list below.
- Please ensure that you are available for the **complete duration of the course**, including any potential preliminary meetings.
- **If you are unable to attend a methods module, please directly inform the lecturers/course organizers immediately.**

Special note for Master students:

- Students must complete three methods modules, each in a different field (fields differ in the "old" and "new" study regulations; see also table on the last page of this document)
- **The first three method courses you take are compulsory electives**. Any further method modules you participate in are electives and will therefore be counted as a course in the electives section (special aspects) of the master's programme.
- A methods module consists of a seminar and a lab course. For some modules, there are more spots available in a seminar than in the corresponding lab course. If a seminar is attended only, it counts as a course in the Electives section (special aspects of the corresponding field). **Please contact the respective lecturers directly if you want to participate.**
- You find a table of methods modules and corresponding fields on the last page of this file.

Schedule:

➔ Select your preferred courses online via this webpage:

https://alex.bcp.fu-berlin.de/index.php?page=resetpin&new=1&start=216

➔ **Follow detailed instructions below!**

1. The **registration** for the first round of the Tombola **closes on Wednesday, April 9th at 10pm**
2. Participants will be notified once the distribution of the first round is complete.
3. In case you want to apply for additional courses that still have free slots after the first Tombola, you can register for the **second round until Friday, April 11th at 12am (noon)**
4. Participants will again be notified once the distribution of the second round is complete.
5. After the second Tombola all remaining spots are allotted on a first come first served basis.
6. You will be automatically signed into the courses in Campusmanagement during the following weeks.

If you still have questions regarding the sign up process, there will be an online demonstration on Monday, April 7th at 11:30 am via Webex. You will receive the link in the information e-mail. If you did not receive this e-mail by Friday, April 4th, please contact studbiochem@zedat.fu-berlin.de.

Please also refer to the FU course catalog:

https://www.fu-berlin.de/vv/de/modul?id=914227&sm=870180

Latest update of list of methods modules and calendar:

http://www.bcp.fu-berlin.de/en/chemie/biochemie/master/Information-for-enrolled-students/

Instructions

Please ensure that the information you provide is accurate, as it will be cross-checked with the student database. Providing false information may result in the forfeiture of your spot.

Specific instructions for M.Sc. students in green

Specific instructions for exchange students in blue

Specific instructions for B.Sc. students in magenta

1. Go to the webpage https://alex.bcp.fu-berlin.de/index.php?page=resetpin&new=1&start=216 (information on this webpage is available in german and english)
2. Log into your profile (exam registration and allocation of places at FU) or create a new profile according to the instructions.
3. Click on "Courses". Here, you can search for the course number (*Course no.* in the table below) directly or search for "216" to see all biochemistry specific courses.
4. Select "sign in" for the courses you are interested in.
5. Select your study degree programme and semester.
    1. **M.Sc.:** for the first **semester in the M.Sc. Biochemistry** the study semester is "1", for the second semester in the M.Sc. Biochemistry the study semester is "2", etc.
    2. **Exchange:** please select "M.Sc. Biochemistry" for degree programme and **"1"** for your study semester
    3. **B.Sc.:** please select "anderer Studiengang" for degree programme and your current study semester in the B.Sc. Biochemistry
6. Select type of module and field (field will only apply for "old" study regulations (Studien- und Prüfungsordnung 2012/2016); if you are studying under the "new" study regulations (Studien- und Prüfungsordnung 2024), it does not matter which field you choose)
    - **M.Sc.:** please select **"compulsory elective module"** if this is your **first, second or third module**. For further methods modules please select **"elective module"**.
    - **Exchange:** please select "**exchange programme"**.
    - **B.Sc.:** please select **"compulsory elective module"**.
7. If you are eligible for pre-registration, check "yes".
   (This applies for example to students who are sole caregivers for a close relative, that have children living in their household, that are pregnant or have recently given birth or who have permanent health impairments or disabilities. Please refer to the "Satzung for Studienangelegenheiten" for details. ***Please write an e-mail to the office of academic affairs (****studienbuero@chemie.fu-berlin.de****) explaining why you are eligible before the first deadline****. The original proof can be submitted after the Tombola as well.)*
8. Please check the greyed out boxes below **only** if you were for one of those reasons not able to participate in **any** method module in the last semester.
9. Click "Save" and repeat for the modules you are interested in. The number of method modules you can select is not limited. We recommend choosing at least five courses.
10. You can now weight your preferences using the stars on the left. You can assign up to three stars per course (3 = highest, 0 = lowest). The total number of stars you can assign is limited to seven and you may assign the same number of stars to multiple courses. The more stars you assign, the more likely you will get a spot in this course, especially for popular courses. You can also see how many people already signed up for the course here.

Methods Modules of Structural Biochemistry

Course No.	*1. Appointment*	*Description*
216201 **a-c** **S/P**		**Biomolecular X-ray Crystallography** **Number of participants: 9**
	Part 1: **28.04.2025**	**Part 1: Wahl, Loll** **Schedule:** 28.04. - 09.05.25 **Location:** Takustr. 6, room 323 (Wahl group)
	Part 2: **12.05.2025**	**Part 2: Weiss, Weber** **Important note:** Pregnant and breastfeeding women are prohibited from working on the storage ring (Part 2) due to radiation protection regulations. **Schedule:** 12.05. -15.05.25 **Location:** Macromolecular Crystallography, Electron Storage Ring BESSY II, Albert-Einstein-Str. 15, 12489 Berlin, Adlershof
	Part 3: **19.05.2025**	**Part 3: Daumke** **Schedule:** 19.05.-24.05.25 **Location:** Max Delbrück Center for Molecular Medicine; Robert-Rössle-Str. 10, 13125 Berlin Buch (Seminar: MDC, Haus 31.2, room 0211; Praktikum: Haus 31.2, roo 0248 , AG Daumke) **Abschlusseminar am 25.05.2025**
216202 **a, b** **S/P**	**23.06.2025**	**Ewers, van Bommel** **Quantitative Fluorescence Microscopy** **Schedule:** 23.06.-04.07.25 (9:00, all-day) **Number of participants: 6** **Location:** Thielallee 63, rooms will be announced on blackboard
216211 **a, b** **S/P**	**01.09.2025**	**Milles** **Biological NMR Spectroscopy** **Schedule:** 01.09 - 12.09.2025 (9:00, all-day) **Number of participants: 8** **Location:** Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin Buch, building 81, seminar room (Ground floor)
216212 **a, b** **S/P**	**15.09.25**	**Roderer** **Biophysical Methods** **Schedule:** 15.09.-26.09.25 (9:00, all-day) **Number of participants: 8** **Location:** Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin Buch, Gebäude 81, Seminarraum (Erdgeschoss)
216302 **a, b** **S/P**	**16.06.2025**	**Ludwig, Hilal** **Structural Characterisation of Supramolecular Architectures and Proteins by Electron Microscopical Techniques** **Schedule:** 16.06. – 27.06.25 (9:00 - 18:00 h) **Number of participants: 4** **Location:** Fabeckstr. 36a, room 205 (Research Center for Electron Microscopy)

Methods Modules of Molecular Biology

Course No.	*1. Appointment*	*Description*
216404 **a, b** **S/P**	**23.06.2025**	**Kuropka** **Bioanalytical Mass Spectrometry / Proteomic Analysis** **Schedule:** 23.06.- 04.07.25 (09:00 – 17:00) **Number of participants: 4** **Location:** Thielallee 63, room 316

216405 **a,b** **S/P**	**12.05.2025**	**Heyd, Preußner** **Alternative Splicing and Protein–RNA Interaction** **Schedule:** 12.05.-23.05.25 (09:00, all-day) **Number of participants: 6** **Location:** Takustr. 6, room 001-002
216406 **a,b** **S/P**	**16.06.2025**	**Bottanelli** **Gene editing with CRISPR/Cas 9 for cell biology** **Schedule:** 16.06.-27.06.25 (09:00, all-day) **Number of participants: 6** **Location:** Thielallee 63, rooms will be announced on blackboard

Methods Modules of Molecular Biomedicine

LV-Nr.	*1. Appointment*	*Description*
216602 **a,b** **S/P**	**12.05.2025**	**Freund, Sticht** **Molecular Immunology** **Schedule:** 12.05.-23.05.25 (all-day) **Number of participants: 6** **Location:** Thielallee 63, room 021 (Freund group)
216611 **a,b** **S/P**	**Briefing** **28.05.2025**	**Krauss, Haucke, Posor** **Membrane Traffic and Signaling / Intracellular Membrane Transport in Signal Transduction** **Note:** Seminar takes place **before** practical course: 11.06.-13.06.25 (15:00 – 18:00 on site) **Schedule: Briefing** 28.05.25, 16:00 online **Course** 16.06.- 27.06.25 (9:15 – 18:00) **Number of participants: 10** **Location:** Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin (Buch)
216612 **a,b** **S/P**	**05.05.2025**	**Hackenberger** **Chemical Biology: Protein Synthesis, Labeling and Function** **Schedule:** 05.05.-16.05.25 (all-day including seminar, start: 09:00) **Number of participants: 10** **Location:** Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, Gebäude 81, Raum B 1.14, 13125 Berlin
216621 **a, b** **S/P**	**23.06.2025**	**Stricker** **Analyzing Musculoskeletal Development in vivo** **Recommendation:** It is recommended to complete module 216701 a, b "Introduction to developmental biology" before taking the methods module. **Schedule:** 23.06. – 04.07.25, all-day (9:00 – approx. 17:00; exact schedule will be communicated on first day) **Number of participants: 4** **Location:** Thieallee 63, room 121 (Stricker group)

Methods Modules from the Institute of Biology

Information on the biology modules will follow as soon as possible. Please visit the website frequently to be aware of updates.

Further Electives from the Institute of Biology

Information on the biology modules will follow as soon as possible. Please visit the website frequently to be aware of updates.

List of Fileds Methods Modules can be counted in

Methods Module	Course ID	Instructor(s)	Fields methods modules can be counted in: Studien- und Prüfungsordnung 2024 — Methods in Molecular Biology (5 LP)	Methods in Structural Biology and Biophysics (5 LP)	Methods in Molecular Biology, Structural Biology and Biophysics (10 LP)	Methods in Molecular Genetics (5 LP)	Methods in Cell Biology (5 LP)	Methods in Computational Biology, Bioinformatics and Data Analysis (5 LP)	Methods in Molecular Biomedicine (5 LP)	Methods in an Affine Area (5 LP or 10 LP)	Fields methods modules can be counted in: Studien- und Prüfungsordnung 2012/2016 — Structural Biochemistry (5 LP)	Molecular Biology (5 LP)	Molecular Biomedicine (5 LP)	Affine Area (5 LP)
Biomolecular X-Ray Crystallography	216201 a,b,c	Wahl, Loll, Weiss, Daumke	x[1]	x[1]	x[1]			x[1]		x[1]	x[2]			x[2]
Quantitative Fluorescence Microscopy	216202 a,b	Ewers, van Bommel		x			x	x		x	x	x	x	x
Biological NMR Spectroscopy	216211 a,b	Milles		x						x	x			x
Biophysical Methods	216212 a,b	Roderer		x						x	x			x
Structural Characterisation of Supramolecular Architectures and Proteins by Electron Microscopical Techniques	216302 a,b	Ludwig, Hilal		x						x	x			x
Bioanalytical Mass Spectrometry / Proteomic Analysis	216404 a,b	Kuropka	x	x				x		x	x	x	x	x
Alternative Splicing and Protein–RNA Interaction	216405 a,b	Heyd, Preußner	x					x		x		x	x	x
Gene editing with CRISPR/Cas 9 for cell biology	216406 a,b	Bottanelli	x			x	x		x	x		x	x	x
Cell Biology (advanced course): Signal Transduction	216601 a,b	Knaus	x			x	x		x	x		x	x	x
Molecular Immunology	216602 a,b	Freund, Sticht	x	x				x	x	x	x		x	x
Membrane Traffic and Signaling	216611 a,b	Haucke, Krauss, Posor					x			x		x		x
Chemical Biology: Protein Synthesis, Labeling and Function	216612 a,b	Hackenberger	x						x	x		x		x
Molecular Pharmacology and Cellular Signal Transduction	216613 a,b	Schülein, Haucke	x	x			x			x	x	x	x	x
Analyzing Musculoskeletal Development in vivo	216621 a,b	Stricker	x			x	x		x	x		x	x	x
Advanced Light Microscopy and Cell-based Assays in Biomedical Research and Neuroscience	216624 a,b	Achazi, Maglione		x			x	x	x	x	x	x	x	x
Modelling cardiovascular development and diseases in zebrafish	216626 a,b	Sawamiphak					x		x	x			x	x

[1] counted as one 10 LP or two 5 LP module

[2] will be counted as Structural Biochemistry (5 LP) AND Affine Area (5 LP)